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Advances in parasitology. Vol. 5. [Dawes, B., ed.], 2421
African witch, with particular reference to witchcraft beliefs and practice among the Shona of Rhodesia. [Gelfand, M.], 802
Animal agents and vectors of human disease. 3rd edit. [Faust, E. C. *et al.*], 2422
Annual review of entomology. Vol. 13. [Smith, R. F. & Mittler, T. E., ed.], 2737
Assistant medical officer. The training of the medical auxiliary in developing countries. [Rosinski, E. F. & Spencer, F. J.], 1215
Bibliography on cancer in Africa. (Suppls. to *S. Afr. Cancer Bull.*), (747), (2120), (2373)
Bilharzia in Africa south of the Sahara 1958–1966. A bibliography. [Zimerman, Z., comp.], (939)
Bilharziasis. [Mostofi, F. K., ed.], 282
El carate. La pinta de Cuba no es el carate. [Iriarte, D. R.], 914
Check list of the reptiles and amphibians of Egypt. [Marx, H.], (2743)
Child care. A handbook for village workers and leaders. FAO publication. [Keister, M. E.], 3302
Cholera problem. [Felsenfeld, O.], 2730
Clinical study of intestinal bilharziasis (*Schistosoma mansoni*) in Africa. [Gelfand, M.], 198
Companion to surgery in Africa. [Davey, W. W.], 1211
Cultivation of parasites *in vitro*. [Taylor, A. E. R. & Baker, J. R.], (2736)
Culture, race, climate and eye disease. An introduction to the study of geographical ophthalmology, [Mann, I.], 464
Le delta intérieur du Niger. Étude de géographie régionale. 2 vols. [Gallais, J.], (2741)
Diseases of man acquired from his pets. [Bisseru, B.], 1213
Ecology of malnutrition in Northern Africa . . . Studies in medical geography. Vol. 7. [May, J. M.], 2729
Electrolyte metabolism in severe infantile malnutrition. [Garrow, J. S. *et al.*], 2971
Enfermedad de Robles (oncocercosis humana): bibliografia guatemalense. [Figueroa M., H.], 3229
Experimental chemotherapy. Vol. IV. Chemotherapy of neoplastic diseases. Pt. 1. [Schnitzer, R. J. & Hawking, F., eds.], 2740
Fauna of U.S.S.R. Diptera. Vol. III. No. 2. Phlebotomidae (sandflies). [Perfil'ev, P. P.], 2969
Festschrift in honour of H. E. Shortt on the occasion of his 80th birthday. (*Protozoology*, 1967, v. 2, 1–238, Suppl. to *J. Helminth.*), 1581
Genetics of insect vectors of disease. [Wright, J. W. & Pal, R., eds.], 2738
Geomedical monograph. Regional studies in geographical medicine. I. Libya. [Kanter, H.], 463
Health of mankind. Ciba Foundation 100th Symposium. [Wolstenholme, G. & O'Connor, M., eds.], 2424
Helminths, arthropods and protozoa of domesticated animals. (6th edit. of Mönnig's Veterinary helminthology and entomology.) [Soulsby, E. J. L.], 2735
Historia de la enfermedad de Robles en America y de su descubrimiento en Guatemala. [Figueroa M., H.], 3228
Human and murine leprosy . . . [Sato, S. & Nishimura, S.], 200
Human parasitology. Practical exercises in medical natural history. [Jarry. D. M.], 467
Immunity to parasites. 6th symposium of the British Society of Parasitologists. [Taylor, A. E. R., ed.], 3301
Immunologic aspects of parasitic infections. Proceedings of the special session held during the 6th meeting of the PAHO Advisory Committee on Medical Research, 13th June 1967. [Bier, O., moderator], 806
Infectious diseases. Their evolution and eradication. [Cockburn, A., comp. and ed.], 2726
Insect identification. 2nd edit. Suppl. No. 1 to Armed Forces Manual on Pest Control. [Canada. Defence Research Board], 3304
Insect virology. [Smith, K. M.], (199)
Introdução à dermatologia. [Miranda, R. N.], 2733
Introduction to the haemoglobinopathies and the methods used for their recognition. [Hutchison, H. E.], 2731
Ixodid ticks of Tanzania. A study of the zoogeography of the Ixodidae of an East African country. [Yeoman, G. H. & Walker, J. B.], 468
Lehrbuch der Tropenkrankheiten. 3rd rev'd edit. [Nauck, E. G., ed.], 465
Leprosy: new hope and continuing challenge. [Browne, S. G.], 197
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Mast-cell system. Its relationship to atherosclerosis, fibrosis and eosinophils. [Fernex, M.], 2732
Medical bacteriology. 9th edit. [Hynes, M.], (2742)
Monograph of Cimicidae (Hemiptera—Heteroptera). [Usinger, R. L.], (2957)
Mosquitos de Venezuela. 2 vols. [Cova Garcia, P.], (3306)
Nutrition and composition of milk. [Kirchgessner, M. *et al.*), 1582
Nutrition and infection, in honour of Prof. R. Nicolaysen, Ciba Foundation Study Group No. 31. [Wolstenholme, G. E. W. & O'Connor, M., eds.], 1583
Obstetrics and gynaecology in the tropics and developing countries. [Lawson, J. B. & Stewart, D. B.], 466

Organisation de coordination et de coopération pour la lutte contre les grandes endémies (O.C.C.G.E.)
14th Interstate Ministerial Conference, Niamey, 28 Nov.–3 Dec., 1967. Final report, 3297
Technical conferences, Bobo-Dioulasso
Report of 6th, March 1966. 2 vols., (1208)
Report of 7th, March 1967. 2 vols., 2727
Parasitic disease and urbanization in a developing community. [Nnochiri, E.], 2423
Parasitology (protozoology and helminthology) in relation to clinical medicine. 6th edit. [Chatterjee, K. D.], 803
Pig trypanosomiasis in tropical Africa. [Stephen, L. E.], 850
Plague in the Americas. Scientific Publ. No. 115. [Pan American Health Organization], 1212
Plants harmful to man in Australia. [Francis, D. F. & Southcott, R. V.], 3303
Possible relationships between the African lymphoma and acute leukaemia. [Burkitt, D. P.], 398
Problems of *in vitro* culture. 5th symposium of the British Society of Parasitologists. [Taylor, A. E. R., ed.], 169
Progress in medical genetics. Vol. 5. [Steinberg, A. G. & Bearn, A. G.], (1081)
Progress of medical parasitology in Japan. Vols. II and III. [Morishita, K. *et al.*, eds.], 805
Red mites and typhus. Heath Clark Lectures, 1965. [Audy, J. R.], 2970
Research in protozoology. Vol. 1. [Chen, T. T., ed.], 1894
Rice, grain of life. [Food & Agriculture Organization of the United Nations], 2728
Schistosomiasis. A bibliography of the world's literature from 1852 to 1962. Vol. I. Keyword index. Vol. II. Author index. [Warren, K. S. & Newill, V. A.], 2155
Second ten years of the World Health Organization, 1958–67. [World Health Organization], 2725
Specifications for pesticides used in public health . . . 3rd edit. [World Health Organization], 1214
Survey of overseas aid in the field of health from British public funds. [U.K. Ministry of Overseas Development], (2744)
Symposia series in immunobiological standardization. Vol. 1. International symposium on rabies, Talloires (France), May 27–30, 1965. [Regamey, R. H. *et al.*, eds.], 250
Synopsis of infectious and tropical diseases. [Woodruff, A. W. & Bell, S.], 3299
Systemic mycoses. Ciba Foundation symposium in commemoration of William Balfour Blaikie. [Wolstenholme, G. E. W. & Porter, R., eds.], 2746
Trowell's diagnosis and treatment of diseases in the tropics. 4th edit. [Billinghurst, J. R., rev'd by], 3300
Tsetse flies in Northern Nigeria . . . 2nd edit. [Davies, H.], 2425
Tuberculosis control in developing countries. [Shennan, D. H.], 2745
Venomous animals and their venoms. Vol. 1. Venomous vertebrates. [Bücherl, W. *et al.*, eds.], 2739
Veterinary parasitology. 2nd rev'd edit. [Lapage, G.], 2734
World review of nutrition and dietetics. Vol. 8. [Bourne, G. H., ed.], 3305

REPORTS
international
Food & Agriculture Organization of the United Nations
Freedom from Hunger Campaign. Basic Study No. 17. Agriculture and industrialization, (684)
Nutritional Studies. No. 21. Food and nutrition procedures in times of disaster. [Masefield, G. B.], 3236
World Food Problems, No. 6. Rice, grain of life, 2728
World Health Organization
Second ten years of World Health Organization, 2725
Technical Report Series
No. 362. Requirements of vitamin A, thiamine, riboflavine, and niacin. Report of a joint FAO/WHO Expert Group . . ., 1440
No. 366. Standardization of procedures for study of glucose-6-phosphate dehydrogenase. Report of Scientific Group, 1071
No. 368. Mosquito ecology. Report of Scientific Group, 760
No. 372. Epidemiology and control of schistosomiasis. Report of Expert Committee, 937
No. 374. Prevention of the re-introduction of malaria . . ., 820
No. 375. Chemotherapy of malaria. Report of Scientific Group, 1231
No. 377. Joint FAO/WHO Expert Committee on nutrition. 7th Report, 2605
No. 378. Joint FAO/WHO Expert Committee on zoonoses. 3rd report, 2154
No. 379. Control of ascariasis. Report of Expert Committee, 2044
No. 396. Immunology of malaria. Report of Scientific Group, 2972
World health statistics annual, 1964. Vol. II. Infectious diseases: cases, deaths and vaccinations, 2673

East Africa Common Services Organization
Institute for Medical Research. 1966 annual report, 1206
Institute of Malaria and Vector-borne Diseases. 1966 annual report, 1207
Report on the Pare-Taveta vital statistics 1962–66 survey, 2426

India
Indian Council of Medical Research. Nutrition Research Laboratories. 1966–67 annual report, (2606)
National filaria control programme. 1964–65 annual report, (2591)

Numbers refer to abstracts and *not* to pages (unless otherwise shown).

Indonesia, Western New Guinea. Demographic research project. [Groenewegen, K. & Van de Kaa, D. J.], 3298

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Institute for Trypanosomiasis Research. 1965 annual report, 19

Ministry of Health. Rural health report, 1965 and 1966, including annual reports of Sleeping Sickness Service and Medical Field Units, 1580, 3147

Nutrition survey, 1965. [U.S. Dept. of Health, Education and Welfare. Public Health Service], 1209

Pakistan. Nutrition survey of East Pakistan, 1962–4. [U.S. Dept. of Health, Education and Welfare. Public Health Service], 1210

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Department of Veterinary Services. (Tsetse and trypanosomiasis control) 1966 and 1967 annual reports, 218, 3148

1966 report of Secretary for Health, (1205)

THESES

Desenvolvimento de espécies do gênero *Leishmania* em espécies brasileiras de flebótomos do gênero *Lutzomyia* França, 1924. [Coelho, M. de V.], 238

Étude prospective de la toxoplasmose acquise dans une collectivité d'enfants. A propos de 204 cas. [Baudelot, J. G.], 2088

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